

Human IL-5 R alpha/CD125 Protein

Cat. No. ILR-HM25R

Description

Source	Recombinant Human IL-5 R alpha/CD125 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Asp21-Glu335.
Accession	Q01344-1
Molecular Weight	The protein has a predicted MW of 62.6 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

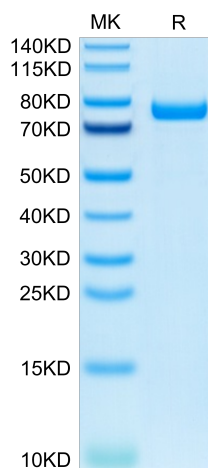
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Interleukin5 Receptor alpha (IL5 R alpha), also known as CD125, is a 60 kDa hematopoietin receptor that plays a dominant role in eosinophil biology. This is the receptor for interleukin-5. The alpha chain binds to IL5.

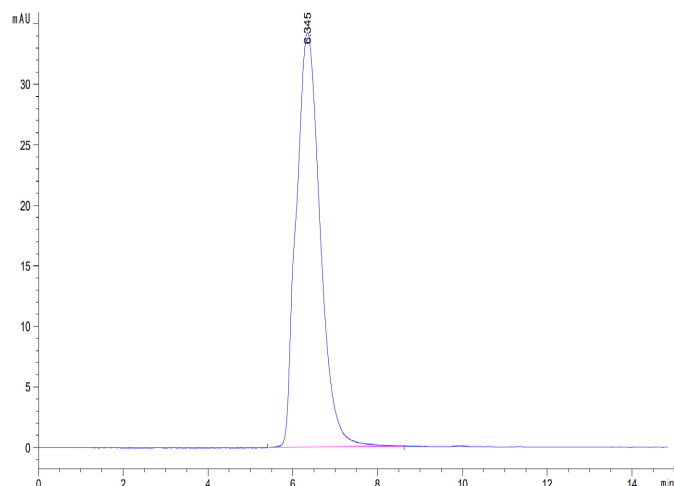
Assay Data

Tris-Bis PAGE



Human IL-5R alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

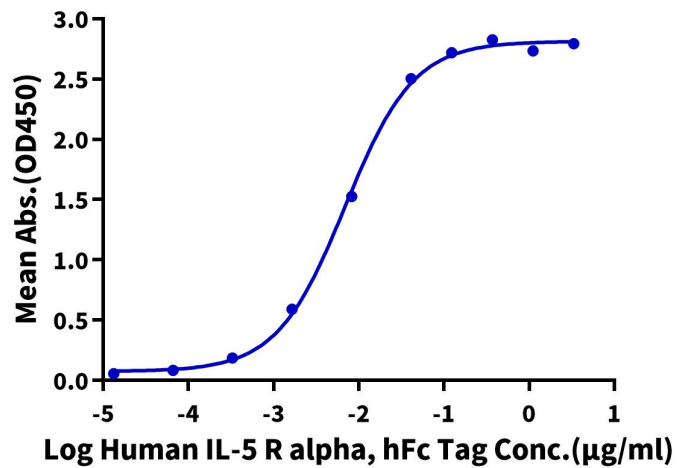
SEC-HPLC



The purity of Human IL-5R alpha is greater than 95% as determined by SEC-HPLC.

Human IL-5 R alpha, hFc Tag ELISA

0.05µg Human IL-5, His Tag Per Well



Immobilized Human IL-5, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-5 R alpha, hFc Tag with the EC50 of 6.9ng/ml determined by ELISA.